

PROJECT DESCRIPTION

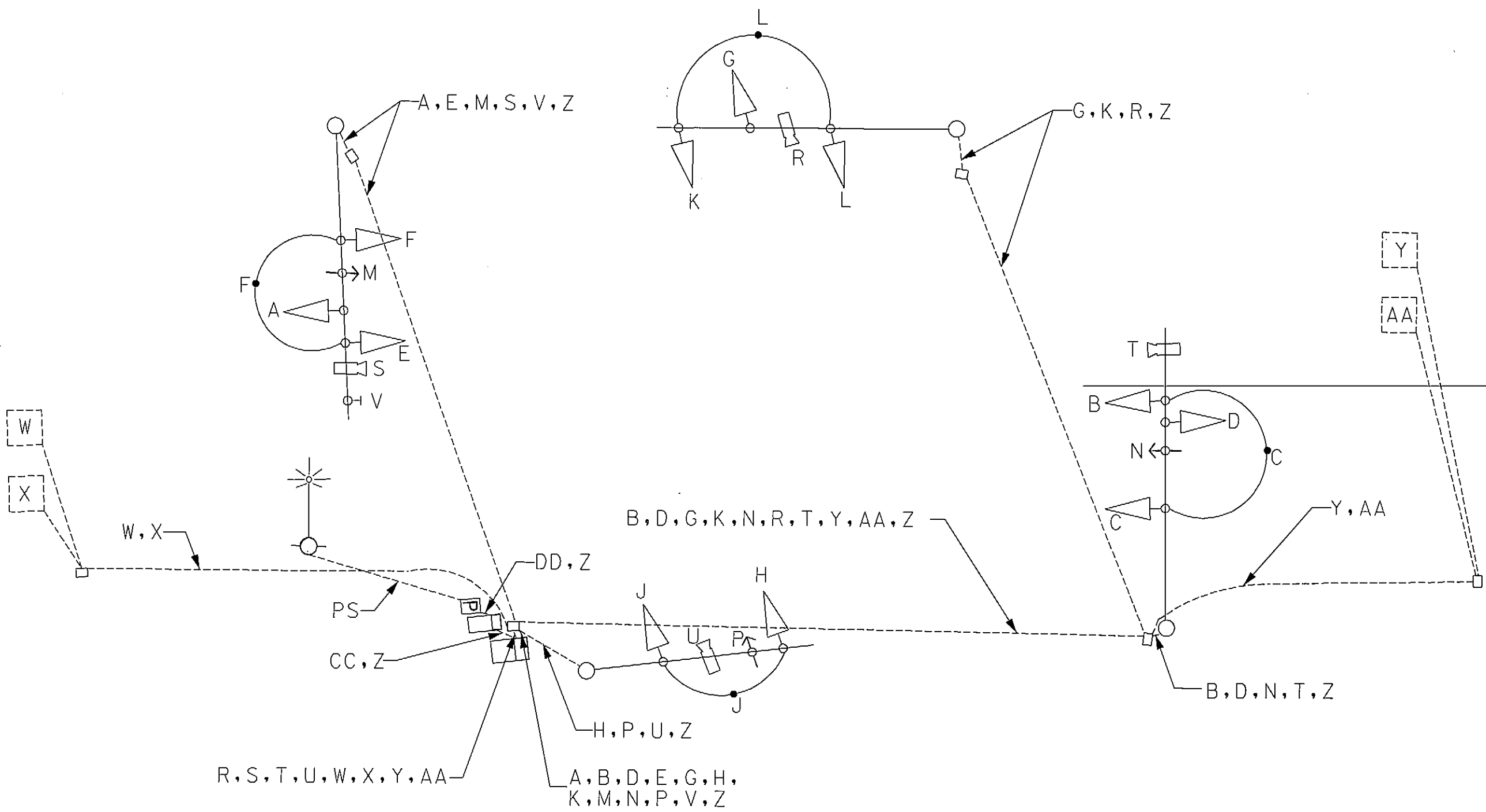
I. GENERAL

This project involved the installation of an Uninterruptible Power Supply (UPS) system for the existing traffic signal at the intersection of US 13 (Salisbury Boulevard) and Carroll Street in Wicomico County.

II. INTERSECTION OPERATION

This intersection operates in a NEMA 7-phase, full-traffic-actuated mode with three pre-emption phases for the southbound, eastbound, and westbound approaches and a railroad track clearance for the northbound approach. Found at this intersection are a base mounted signal cabinet and a UPS cabinet.

WIRING DIAGRAM



KEY

- A, B, D, E, G, H, K } 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- C, F, J, L, V } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- M, N, P } 4 CONDUCTOR OPTICOM CABLE
- R, S, T, U } VIDEO DETECTION CABLE
- W, X, Y, AA } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) ALUMINUM SHIELDED

- CC } 1 CONDUCTOR (NO. 8 AWG)
- DD } 3 WIRE, 1 CONDUCTOR (NO. 4 AWG) THHN, THWN
- Z } 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
- PS } POWER SERVICE UNDERGROUND

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11
PHASE 1 AND 5											
THE CONTROLLER MAY SKIP TO PHASE 1 AND 6 OR 2 AND 5 OR 2 AND 6											
PHASE 1 AND 6											
PHASE 1 AND 6 CHANGE											
PHASE 2 AND 5											
PHASE 2 AND 5 CHANGE											
PHASE 2 AND 6											
PHASE 2 AND 6 CHANGE											
PHASE 4 AND 7											
PHASE 4 AND 7 CHANGE											
PHASE 4 AND 8											
PHASE 4 AND 8 CHANGE											
PRE-EMPTION 02											
PRE-EMPTION 02 CHANGE											
PRE-EMPTION 04											
PRE-EMPTION 04 CHANGE											
PRE-EMPTION 06											
PRE-EMPTION 06 CHANGE											
RAILROAD CLEARANCE											
RAILROAD CLEARANCE CHANGE											
FLASHING OPERATION											

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 13 BUSINESS (S. SALISBURY BOULEVARD)
AT CARROLL STREET
SALISBURY, MARYLAND

GENERAL INFORMATION SHEET

SCALE: N.T.S. ADVERTISED DATE: FEBRUARY 2010 CONTRACT NO. _____

DESIGNED BY _____

COUNTY: WICOMICO

DRAWN BY: R.A./L.R.

LOGMILE: 22B01305.27

CHECKED BY: A. GRIFFIN

TIMS NO.: 1955

F.A.P. NO. _____

TOD NO. _____

TS NO. 1939E

DRAWING - OF

SHEET NO. 2 OF 2

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PLOTTED: Friday, March 05, 2010 at 11:14:17 AM
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